OIPE	1C160		Application No.: 09/965,738
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PATENT & TR		he Application of: IEN, ET AL.	)
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		No.: 09/965,738 V	)
	Filed:	September 27, 2001	)
	For:	REPEAT SEQUENCES OF THE CA125 GENE AND THEIR USE FOR DIAGNOSTIC AND THERAPEUTIC INTERVENTIONS	) Attorney Docket No.: 022438.43867 )

## TRANSMITTAL LETTER

Mail Stop: DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The following documents for the above-captioned application are enclosed herewith:

- Supplemental Information Disclosure Statement; 1.
- Information Disclosure Citation (form PTO-A820); 2.
- 3. Copies of References;
- 4. Check No. 176393 in the amount of \$180.00; and
- 5. Return Postcard.

If an additional fee is due, please debit Deposit Account No. 50-0858. In this regard, a duplicate copy of this Transmittal Letter is enclosed herewith. If you have any questions, please contact me.

Respectfully Submitted,

Butler, Snow, O'Mara, Stevens & Cannada, PLLC

SUSAN B. FENTRESS

Reg. No. 31,327

6075 Poplar Avenue, Suite 500

Memphis, TN 38119

(901) 680-7319

**Application No.: 09/965,738** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the th	ne Application of:	)	
O'BRI	EN, ET AL.	)	
Serial 1	No.: 09/965,738	)	
Filed: S	September 27, 2001	)	
For:	REPEAT SEQUENCES OF THE CA125 GENE AND THEIR USE FOR DIAGNOSTIC AND THERAPEUTIC INTERVENTIONS	)))	Attorney Docket No.: 022438.43867

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop: DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-A820. A copy of each of the references listed on the attached form is submitted herewith.

Applicants respectfully request that the Examiner consider each listed document and indicate that it was considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art". If the Examiner applies the document as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law. Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

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Document AA - International Publication No.: WO 00/36107 (published June 22, 2000) by Corixa Corporation discloses compositions and methods for the therapy and diagnosis of cancer, such as ovarian cancer. Compositions may comprise one or more ovarian carcinoma proteins, immunogenic portions thereof, polynucleotides that encode such portions or antibodies or immune system cells specific for such proteins. Such compositions may be used, for example, for the prevention and treatment of diseases such as ovarian cancer. Methods are further provided for identifying tumor antigens that are secreted from ovarian carcinomas and/or other tumors. Polypeptides and polynucleotides as provided herein may further be used for the diagnosis and monitoring of ovarian cancer.

**Document BB** - European Patent Application No.: 0 288 082 (published October 26, 1988) by O'Brien discloses a 40 kilodalton subunit of CA125 antigen, useful in the diagnosis and monitoring of ovarian cancer. It also relates to an immunoassay method for detection of the antigen in serum for diagnosis and monitoring purposes.

**Document CC** - International Publication No.: WO 02/092836 (published November 21, 2002) by Lloyd, et al. disclose an isolated nucleic acid molecule comprising sequences encoding the CA125 protein or a portion thereof. This invention also provides a method to detect ovarian cancer in a subject. Furthermore, this invention provides a method for the diagnosis of a cancer which expresses CA125 by detecting CA125-expressing cells in the blood or other fluids of patients. This invention also provides a method of producing CA125 protein. Finally, this invention provides a method to treat or prevent cancer using a vaccine comprising CA125 nucleic acid or protein.

**Document DD** - "More than 15 years of CA125: What is known about the antigen, its structure and its function" T.J. O'Brien, et al. *The International Journal of Biological Markers*, Vol. 13, no. 4, pp. 188-195.

**Document EE** – "Isolation and Characterization of Ovarian Cancer Antigen CA125 Using a New Monoclonal Antibody (VK-8): Identification as a Mucin-type Molecule" Kenneth O. Lloyd, et al. *Int. J. Cancer*: 71, 842-850 (1997).

**Application No.: 09/965,738** 

**Document FF** – "Immunohistochemical Characterization of 22 Monoclonal Antibodies against the CA125 Antigen: 2nd Report from the ISOBM TD-1 Workshop" M. Nap, et al. *Tumor Biol.* 1996: 17: 325-331.

**Document GG** – "Human Mucin Gene MUC5B, the 10.7-kb Large Central Exon Encodes Various Alternate Subdomains Resulting in a Super-repeat" Jean-Luc Desseyn, et al. *The Journal of Biological Chemistry*, Vol. 272, No. 6, Issue of February 7, pp. 3168-3178, 1997.

**Document HH** – "Isolation of the Murine Nbrl Gene Adjacent to the Murine Brcal Gene" Julie Chambers, et al. *Genomics* 38, 305-313 (1996).

**Document II** - <a href="http://www.ncbi.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=2566012">http://www.ncbi.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=2566012</a>. "Nucleotide" Lee Helman, M.D., et al. NCBI Sequence Viewer.

**Document JJ** – "Molecular Cloning of the CA125 Ovarian Cancer Antigen" Beatrice W.T. Yin, et al. *The Journal of Biological Chemistry*, Vol. 276, No. 29, Issue of July 20, pp. 27371-27375, 2001.

**Document KK** - "The CA125 Gene: An Extracellular Superstructure Dominated by Repeat Sequences" Timothy J. O'Brien, et al. *Tumor Biol* 2001;22:348-366.

**Document LL** - "The CA125 Gene: A Newly Discovered Extension of the Glycosylated N-Terminal Domain Doubles the Size of This Extracellular Superstructure" Timothy J. O'Brien, et al. *Tumor Biol* 2002;23:154-169.

In the event the Examiner has any questions regarding this document, please contact the undersigned at the telephone number listed below.

Respectfully Submitted,

Butler, Snow, O'Mara, Stevens & Cannada, PLLC

11-30-04

Bv:

SUSAN B. FENTRESS

Reg. No. 31,327

6075 Poplar Avenue, Suite 500

Memphis, TN 38119

(901) 680-7319

## **CERTIFICATE OF MAILING**

INFORMATION DISCLOSURE CITATION (Gse several sheets if necessary)	022438.4386 APPLICANT(S)	7	09/9	65,738_			
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The international Journal of Diological Mark	ers, vui. 13, 110. 4, pp. 100-193						
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Form PTO-A820 (also form PTO-1449)

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	FF	ISOBNI ID-1 WORKSHOP Michap, et al. 1 amo. 2	3101. 1990: 17: 323-331				
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not considered. Include copy of this form with next communication to applicant.